

\* SWBAT define and measure motion and speed

Sep 6-2:31 PM



# Welcome!!!

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Centering...

SECA Physics  
Friday 9 October 2015

\* Pick up:

- slip of paper (for later)
- Motion of a runner sheet



Opening Activity:

Where in your everyday life do you deal with speed and how it changes?

BUS, CAR, RUNNING, WALKING

Sep 7-7:04 AM

### Catchy Physics Phrases...

Speed is

Change in distance over  
change in time

$$SPEED = \frac{\Delta d}{\Delta t}$$

Velocity is

speed and direction

TMBG - speed and velocity

<http://www.youtube.com/watch?v=DRb5PSxJerM>

Oct 4-7:27 AM

0m	4m	8m	12m	16m	20m
CHANGE:					

Runner Measurements : TIME

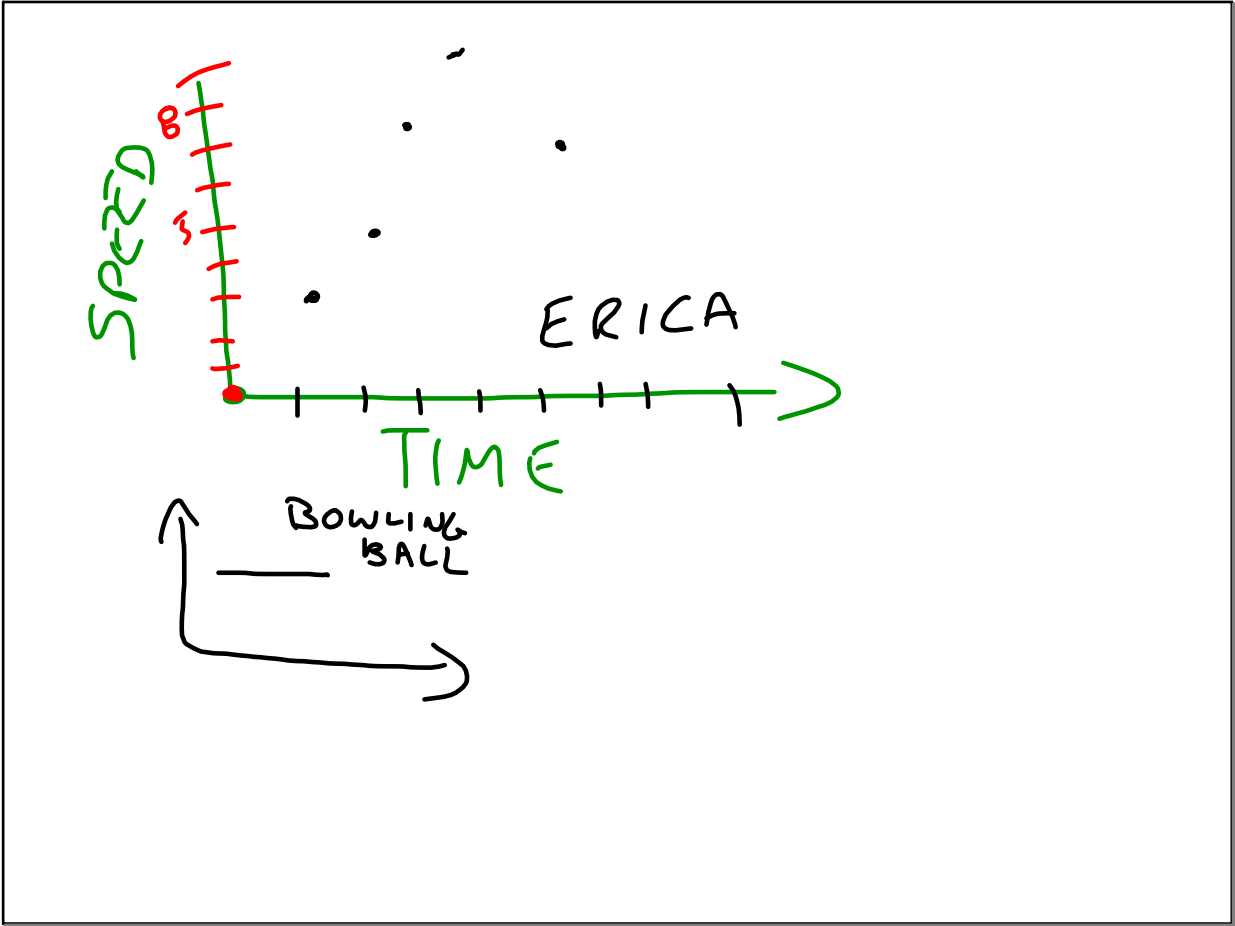
	4m	8m	12m	16m	20m
Trial 1	1.47	2.22	2.56	3.22	4.25
Trial 2	1.12	1.94	2.53	2.97	3.68
Trial 3	1.31	2.19	2.91	3.43	3.94

AVG.	1.30	2.11			
CHANGE:	1.30	0.81			

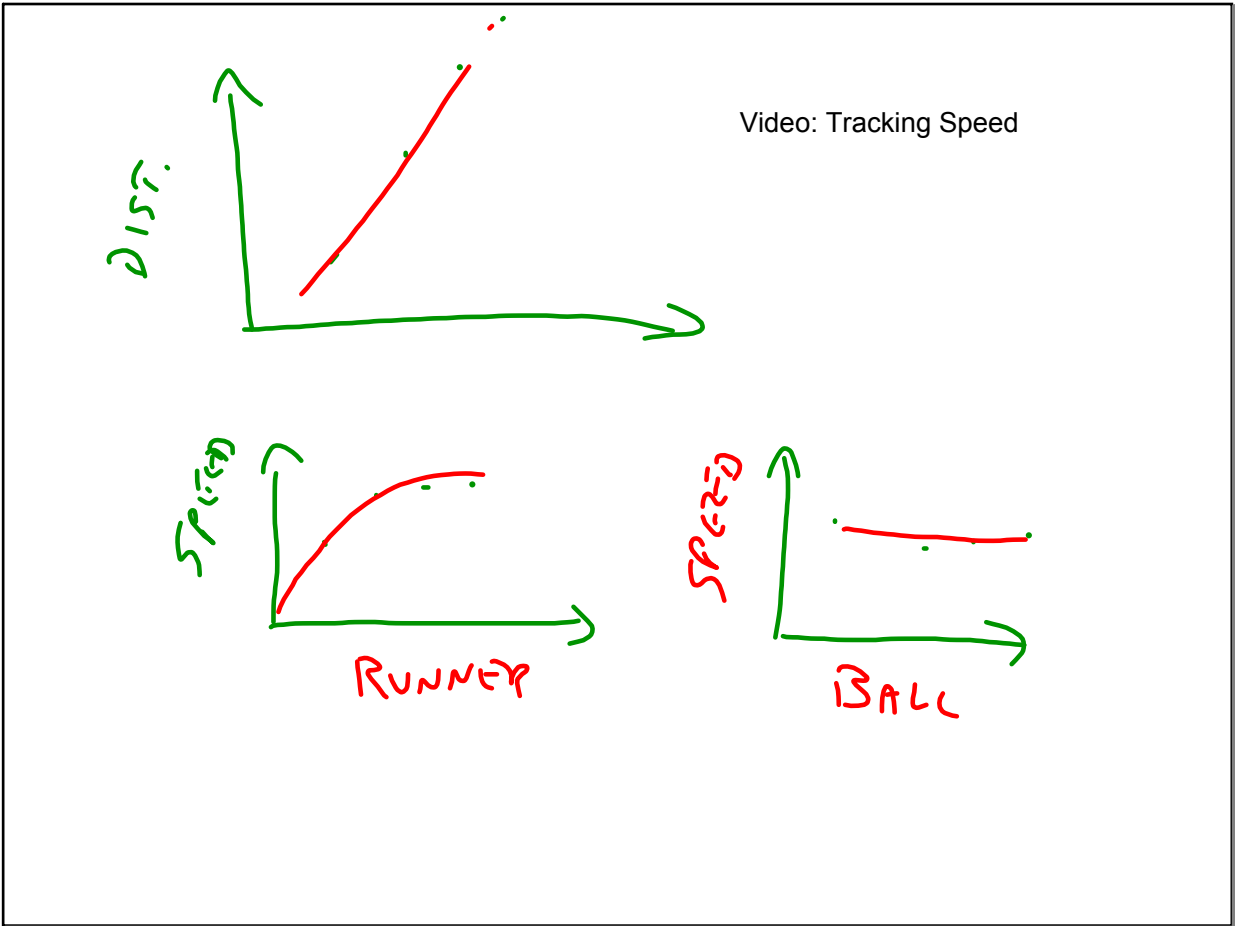
Now use what we've found to fill in the worksheet.

- Get someone to check over what you've got **before** you start graphing
- When you're done: see what other people noticed about the graphs

Oct 5-7:33 AM



Oct 9-11:05 AM



Oct 2-12:46 PM

### Daily 3 Questions

- \* Every day except test/project days
- \* 3 Questions on the topics of the day
- \* Main source of daily points
- \* I am happy to give credit when I have no concerns about someone giving or getting help with the answers.

You can't get your points if you don't have your **NAME!!!**

Name	Period
1.	
2.	
3.	

Sep 9-7:32 AM

1. How DID WE FIND CHANGE IN TIME?

- A. DIVIDE
- B. SUBTRACT
- C. AVERAGE

2. WHAT IS ALONG THE BOTTOM OF YOUR GRAPHS?

3. T<sub>urf</sub>: THE RUNNER KEPT A CONSTANT SPEED.

Oct 2-12:49 PM

1. Overall, the runner's speed generally
  - A. decreased
  - B. stayed about the same
  - C. increased
  
2. Velocity is speed and \_\_\_\_\_.
  
3. The bottom of your graph is what?
  - A. Change in Distance
  - B. Speed
  - C. Avg. Time

Sep 14-7:28 AM